

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer-implemented method comprising:

receiving user input ~~drawing~~defining a paint stroke during a time period; ~~the paint stroke being defined in two dimensions, a position dimension and a time dimension, where in the position dimension,~~

defining the paint stroke using a plurality of position values for the paint stroke based on the drawing; the paint stroke is defined by one or more position values defining a stroke path, and in the time dimension;

defining the paint stroke is defined by using a plurality of one or more time values for the paint stroke based on the drawing, the plurality of time values being in the time period and being associated with values for one or more stroke parameters, each stroke parameter value representing an appearance attribute of the stroke occurring at a time value;

associating the position values with a first set of the time values and respective stroke parameter values occurring in the time period; and

modifying the stroke parameter values such that for each stroke parameter value, associating the values for the parameter is associated with a second set of the time values in the time period, the second set of time values being different from the first set of time values; and storing the defined paint stroke.

2. (Cancelled)
3. (Original) The method of claim 1, wherein, the association of parameter values with time values is defined as a function.

4. (Original) The method of claim 3, wherein:
the function is piecewise linear.
5. (Original) The method of claim 3, wherein:
a different function is used for each parameter.
6. (Original) The method of claim 3, wherein:
the function is implemented as a table.
7. (Cancelled)
8. (Previously Presented) The method of claim 1, further comprising:
generating a first instance of the stroke;
changing the stroke by changing the time value associated with a parameter value;
generating a second instance of the stroke that corresponds to the changed
stroke; and
interpolating between the first and second instances to generate one or more additional
instances of the stroke.
9. (Currently Amended) The method of claim 8, wherein:
the first instance and the second instance each correspond to a keyframe of an animation,
the animation having an animation time frame, each keyframe corresponding to a time point in
animation time; and
the time value is changed as a function of animation time.
10. (Original) The method of claim 9, wherein, in the first instance or the second instance of
the stroke, not every parameter has a defined value.

11. (Currently Amended) A computer program product, tangibly stored on a computer-readable medium comprising instructions operable to cause a programmable processor to perform operations comprising:

~~representing the stroke according to the parameter values and their associated time values;~~

~~receiving user input drawing defining a paint stroke during a time period; the paint stroke being defined in two dimensions, a position dimension and a time dimension, where in the position dimension,~~

~~defining the paint stroke using a plurality of position values for the paint stroke based on the drawing; the paint stroke is defined by one or more position values defining a stroke path, and in the time dimension;~~

~~defining the paint stroke is defined by using a plurality of one or more time values for the paint stroke based on the drawing, the plurality of time values being in the time period and being associated with values for one or more stroke parameters, each stroke parameter value representing an appearance attribute of the stroke occurring at a time value;~~

~~associating the position values with a first set of the time values and respective stroke parameter values occurring in the time period; and~~

~~modifying the stroke parameter values such that for each stroke parameter value, associating the values for the parameter is associated with a second set of the time values in the time period, the second set of time values being different from the first set of time values; and storing the defined paint stroke.~~

12. (Cancelled)

13. (Original) The product of claim 11, wherein, the association of parameter values with time values is defined as a function.

14. (Original) The product of claim 13, wherein:
the function is piecewise linear.

15. (Original) The product of claim 13, wherein:
a different function is used for each parameter.
16. (Original) The product of claim 13, wherein:
the function is implemented as a table.
17. (Cancelled)
18. (Currently amended) The product of claim 11, further comprising:
generating a first instance of the stroke;
changing the stroke by changing the time value associated with a parameter value;
generating a second instance of the stroke that corresponds to the changed
stroke; and
interpolating between the first and second instances to generate one or more additional
instances of the stroke.
19. (Currently Amended) The product of claim 18, wherein:
the first instance and the second instance each correspond to a keyframe of an animation,
the animation having an animation time frame, each keyframe corresponding to a time point in
animation time; and
the time value is changed as a function of animation time.
20. (Original) The product of claim 19, wherein, in the first instance or the second instance
of the stroke, not every parameter has a defined value.

21. (New) A system comprising:

receiving user input drawing a paint stroke during a time period;

defining the paint stroke using a plurality of position values for the paint stroke based on the drawing;

defining the paint stroke using a plurality of time values for the paint stroke based on the drawing, the plurality of time values being in the time period and being associated with values for one or more stroke parameters, each stroke parameter value representing an appearance attribute of the stroke occurring at a time value;

associating the position values with a first set of the time values and respective stroke parameter values occurring in the time period;

modifying the stroke parameter values such that each stroke parameter value is associated with a second set of time values in the time period, the second set of time values being different from the first set of time values; and

storing the defined paint stroke.

22. (New) The system of claim 21, wherein:

the association of parameter values with time values is defined as a piecewise linear function implemented as a table where a different function is used for each parameter.

23. (New) The system of claim 21, further comprising:

means for generating a first instance of the stroke;

means for changing the stroke by changing the time value associated with a parameter value;

means for generating a second instance of the stroke that corresponds to the changed stroke; and

means for interpolating between the first and second instances to generate one or more additional instances of the stroke.

24. (New) The system of claim 23, wherein:

the first instance and the second instance each correspond to a keyframe of an animation, the animation having an animation time frame, each keyframe corresponding to a time point in animation time; and

the time value is changed as a function of animation time.

25. (New) The system of claim 24, wherein, in the first instance or the second instance of the stroke, not every parameter has a defined value.